UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

IN RE FOREIGN EXCHANGE BENCHMARK RATES ANTITRUST LITIGATION

No. 13 Civ. 7789 (LGS)

JOINT PRE-TRIAL ORDER (August 26, 2022)

A. CASE CAPTION

The full caption of this action is set forth above.

B. APPEARANCES:

The names, law firms, addresses, telephone numbers, and email addresses of trial counsel are as follows:

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C. SUBJECT MATTER JURISDICTION

This Court has subject matter jurisdiction over this matter pursuant to 28 U.S.C. §§ 1331 and 1337 and Section 4 of the Clayton Act, 15 U.S.C. § 15.

D. SUMMARY OF CLAIMS TO BE TRIED:

Claims to be tried:

This is a class action. The class is represented by named Plaintiffs Aureus Currency
Fund, L.P., The City of Philadelphia, Board of Pensions and Retirement, Employees' Retirement
System of the Government of the Virgin Islands, Employees' Retirement System of Puerto Rico
Electric Power Authority, Fresno County Employees Retirement Association, Haverhill
Retirement System, Oklahoma Firefighters Pension and Retirement System, State-Boston
Retirement System, Syena Global Emerging Markets Fund, LP, Systrax Corporation, Tiberius
OC Fund, Ltd., Value Recovery Fund L.L.C., and United Food and Commercial Workers Union
and Participating Food Industry Employers Tri-state Pension Fund. The Defendants in this trial
are Credit Suisse Group AG, Credit Suisse AG, and Credit Suisse Securities (USA) LLC
(collectively "Credit Suisse" or the "CS Defendants").

Plaintiffs allege that between December 1, 2007 and December 31, 2013 (the "Class Period"), Credit Suisse and its conspirators entered into and engaged in a conspiracy to widen, fix, stabilize, or maintain spreads in the foreign exchange ("FX") market in violation of Sections

1 and 3 of the Sherman Antitrust Act, 15 U.S.C. §§1, 3. The Court has certified an issue class pursuant to F.R.C.P. 23(c)(4) to adjudicate two elements of that claim: "(1) the existence of a conspiracy to widen spreads in the spot market and (2) the CS Defendants' participation in the conspiracy," on behalf of an "OTC Class" consisting of:

All persons who, between December 1, 2007 and December 31, 2013 (inclusive) entered into a total of 10 or more FX spot, forward, and/or swap trades directly with one or more Defendants¹ in the 52 Affected Currency Pairs² via voice or on a single-bank platform, where Defendants provided liquidity and such persons were either domiciled in the United States or its territories or, if domiciled outside the United States or its territories, traded in the United States or its territories.³

Claims that are not to be tried:

The remaining elements of Plaintiffs' Sherman Act Section 1 claim (including impact and damages) are not to be tried.⁴ Plaintiffs' claim that the spread widening conspiracy in the FX spot market manipulated the prices of FX futures contracts and options, in violation of Sections 1 and 3 of the Sherman Act, 15 U.S.C. §1, 3, and the Commodity Exchange Act, 7 U.S.C. §§1 et. seq., is not to be tried.

¹ The CS Defendants and Bank of America Corporation, Bank of America, N.A., and Merrill Lynch, Pierce, Fenner & Smith Inc.; Bank of Tokyo Mitsubishi UFJ Ltd.; Barclays Bank PLC, Barclays Capital Inc.; BNP Paribas Group, BNP Paribas North America, Inc., BNP Paribas Securities Corp., BNP Prime Brokerage, Inc.; Citigroup Inc., Citibank, N.A., Citicorp, Citigroup Global Markets Inc.; Deutsche Bank AG, Deutsche Bank Securities Inc.; Goldman Sachs Group, Inc., Goldman, Sachs & Co.; HSBC Holdings PLC, HSBC Bank PLC, HSBC North America Holdings, Inc., HSBC Bank USA, N.A., HSBC Securities (USA) Inc.; JPMorgan Chase & Co., JPMorgan Chase Bank, N.A.; Morgan Stanley, Morgan Stanley & Co., LLC, and Morgan Stanley & Co. International plc; RBC Capital Markets LLC; Royal Bank of Scotland Group PLC, RBS Securities, Inc.; Société Générale S.A.; Standard Chartered Bank; UBS AG, UBS Group AG, and UBS Securities LLC.

² See Notice of Certified Litigation Class (ECF No. 1509-2) (Sept. 30, 2020) at 4-5.

³ *Id*. at 1.

⁴ The parties continue to confer regarding whether the interstate commerce element will be tried in the October trial and may seek the Court's guidance.

E. TRIAL OF THE CASE

Plaintiffs and Credit Suisse demand a jury trial.

Pursuant to the Court Order dated August 24, 2022 ("Trial Management Order"), a jury trial of this case is scheduled to begin on October 11, 2022. ECF No. 1840.⁵ The parties will have 16 hours each for opening statements, and direct and cross examination. The parties estimate that the trial will take two weeks.

F. CONSENT TO MAGISTRATE:

The parties do not consent to trial by a magistrate judge.

G. WITNESS LISTS

For Plaintiffs:

The following charts contain Plaintiffs' current good faith list of witnesses they will and may call at trial. The chart also includes a brief description of each witness and their expected testimony along with an estimate of the expected length of time Plaintiffs will need to question that witness in their case-in-chief (i.e., an estimate of time for direct examination of live witnesses or affirmative designations for deposition witnesses).

Plaintiffs have not included certain witnesses whom Credit Suisse have indicated they intend to call in their case-in-chief. Plaintiffs will conduct their examination of those witnesses

⁵ The parties are in receipt of the Court's Trial Management Order dated August 24, 2022 and are evaluating how it will affect their trial presentations and reserve rights to supplement or change the components of this Joint Proposed Pretrial Order in response to that Order. Credit Suisse states that it has not had adequate time since the Trial Management Order to implement the major changes to its witness list, exhibit list, and deposition designations that the Trial Management Order would require, particularly as Credit Suisse's defense is necessarily responsive to the case Plaintiffs will present. Credit Suisse reserves the right to seek an adjournment of the trial date and/or to seek reconsideration of the Trial Management Order.

when Credit Suisse call them. Plaintiffs reserve the right to add such witnesses to their case-inchief if Credit Suisse do not call them as witnesses.

Pursuant to the Court's Trial Management Order, Plaintiffs estimate they will need roughly 16 hours of trial time.

Plaintiffs' Will Call List

Witness Name	Summary	Anticipated Length of Examination (in hours)
Eric Robin (Live)	Eric Robin is an expert on the FX industry. Mr. Robin will testify about (1) the basics of the FX market and FX trading, with primary emphasis on FX spot transactions; and (2) what a "spread" is in FX trading and how spreads constitute market makers' source of profit and customers' cost of trading; (3) the durability of and correlations across spreads.	1.5
Hal Singer (Live)	Hal Singer is an expert in antitrust economics. Mr. Singer will testify about (1) his structure analysis of the FX market which shows FX market is characterized by conditions conducive to collusion; (2) his conduct analysis of electronic communications among Defendant banks which shows Defendant banks routinely communicated customer spreads and Credit Suisse participated in such communications; and (3) his performance analysis which shows that the bid-ask spreads widened during the Class Period and narrowed once multibank chatrooms closed.	2.5

Witness Name	Summary	Anticipated Length of Examination (in hours)
Jason Katz (Live)	Jason Katz traded FX at BNP Paribas and Barclays during the Class Period. Mr. Katz participated in multiple chat rooms with FX traders from competitor banks and pleaded guilty to price fixing. He will testify about (1) his knowledge of the FX market; (2) his chat room communications with FX traders from competitor banks; and (3) guilty pleas and his knowledge of other FX traders' conduct in the FX market during the Class Period.	1
Keith Underwood (Live)	Keith Underwood was Credit Suisse's FX industry expert at the class certification stage. Mr. Underwood was also the Head of FX trading at Standard Chartered during the Class Period. He will testify about his knowledge of the FX market and the conduct of FX traders in multibank chat rooms during the Class Period.	1
Peter Little (Live)	Peter Little traded FX at Credit Suisse, HSBC, and Barclays during the Class Period. Mr. Little served as Barclays' Head of G10 FX Spot trading in New York; HSBC's Head of G10 FX Trading, and Credit Suisse' Director of FX Spot Trading. Mr. Little and the traders under Mr. Little's supervision participated in multiple chat rooms with FX traders from competitor banks. He will testify about (1) his knowledge of the FX market; (2) his chat room communications with FX traders from competitor banks; and (3) his knowledge about the conduct and chat room communications of traders under his supervision.	0.75

Witness Name	Summary	Anticipated Length of Examination (in hours)
Angus Greig (Deposition Designation)	Angus Greig traded FX at Deutsche Bank and HSBC during the Class Period. Angus Greig was Deutsche Bank's former FX Chief Dealer. Mr. Greig and the traders under Mr. Greig's supervision participated in multiple chat rooms with FX traders from competitor banks. He will testify about (1) his knowledge of the FX market; (2) his chat room communications with FX traders from competitor banks; and (3) his knowledge about the conduct and chat room communications of the traders under his supervision.	0.5
Daniel Wise (Deposition Designation)	Daniel Wise traded FX at Credit Suisse and Barclays during the Class Period. Mr. Wise was the former Managing Director of FX spot trading for Barclays in London and the former Global Head FX Spot GCEM trading for Credit Suisse. Mr. Wise and the traders under Mr. Wise's supervision participated in multiple chat rooms with FX traders from competitor banks. Plaintiffs will ask Mr. Wise about (1) his knowledge of the FX market; (2) his chat room communications with FX traders from competitor banks; (3) his knowledge about the conduct and chat room communications of the traders under his supervision. Mr. Wise will invoke his Fifth Amendment privilege against self-incrimination in response to Plaintiffs' questions.	0.3
Edward Pinto (Deposition Designation)	Edward Pinto traded FX at HSBC during the Class Period. Mr. Pinto participated in multiple chat rooms with FX traders from competitor banks. Plaintiffs will ask Mr. Pinto about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks. Mr. Pinto will invoke his Fifth Amendment privilege against self-incrimination in response to Plaintiffs' questions.	0.2

Witness Name	Summary	Anticipated Length of Examination (in hours)
Jamie Lawes (Deposition Designation)	Jamie Lawes traded FX at Credit Suisse and Bank of America during the Class Period. Mr. Lawes participated in multiple chat rooms with FX traders from competitor banks. He will testify about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks.	0.5
John Erratt (Deposition Designation)	John Erratt traded FX at Barclays and Credit Suisse during the Class Period. Mr. Erratt participated in multiple chat rooms with FX traders from competitor banks. Plaintiffs will ask Mr. Erratt about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks. Mr. Erratt will invoke his Fifth Amendment privilege against self-incrimination in response to Plaintiffs' questions.	0.3
Matthew Gardiner (Deposition Designation)	Matthew Gardiner traded FX at Barclays, UBS, and Standard Chartered during the Class Period. Mr. Gardiner participated in multiple chat rooms with FX traders from competitor banks. He will testify about (1) his knowledge of the FX market; (2) his chat room communications with FX traders from competitor banks; and (3) his knowledge of the guilty pleas entered by Barclays and UBS.	1

Witness Name	Summary	Anticipated Length of Examination (in hours)
Mitesh Parikh (Deposition Designation)	Mitesh Parikh traded FX at Goldman Sachs during the Class Period. Mr. Parikh participated in multiple chat rooms with FX traders from competitor banks. Plaintiffs will ask Mr. Parikh about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks. Mr. Parikh will invoke his Fifth Amendment privilege against self-incrimination in response to Plaintiffs' questions.	0.2
Rohan Ramchandani (Deposition Designation)	Rohan Ramchandani traded FX at Citi during the Class Period. Mr. Ramchandani participated in multiple chat rooms with FX traders from competitor banks. Plaintiffs will ask Mr. Ramchandani about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks. Mr. Ramchandani will invoke his Fifth Amendment privilege against self-incrimination in response to Plaintiffs' questions.	0.5
Stuart Dunn (Deposition Designation)	Stuart Dunn traded FX at Deutsche Bank, Société Générale, and RBC during the Class Period. Mr. Dunn participated in multiple chat rooms with FX traders from competitor banks. He will testify about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks.	
A Representative for Oklahoma Firefighters Pension and Retirement System ("Oklahoma Firefighters") (Live)	Oklahoma Firefighters is a class representative of the OTC class. A corporate representative of Oklahoma Firefighters will testify about Oklahoma Firefighters' responsibilities as the class representative and Oklahoma Firefighters' FX trading with Defendant banks, including Credit Suisse.	0.2

Witness Name	Summary	Anticipated Length of Examination (in hours)
Witness to Attest to FRE 1006 Summary Exhibit(s) (Live)	Plaintiffs' FRE 1006 Witness will testify regarding the accuracy of the data and information compiled in the FRE 1006 Summary Exhibit(s).	0.3
Summary of Fifth Amendment Depositions	Plaintiffs will ask permission to present to the jury a one paragraph summary for the following Fifth Amendment depositions: David Bowen, Eduardo Hargreaves, James Mullaney, Michael Keogh, Julian Munson, James Wynne, Paul Nash, Christopher Ashton, Richard Usher, Russell Katz, Mark Clark, Luxshan Thiagarajah, Michael Weston, Fr, Akshay Aiyer Fank Cahill, Roger Boehler, Clark Read, Robert DeGroot, Carly McWilliams Hosler, and Niall O'Riordan. See- Oostendorp v. Khanna, 937 F.2d 1177, 1179 (7th Cir. 1991	.25
TO	11.5	

Plaintiffs' May Call List

Witness Name	Summary	Anticipated Length of Examination (in hours)
A Representative of		
Board of Pensions and		
Retirement,	Virgin Islands is a class representative of the	
Employees' Retirement	OTC class. A corporate representative of Virgin	
System of the	Islands will testify about Virgin Islands'	
Government of the	responsibilities as the class representative and	
Virgin Islands ("Virgin	UFCW's FX trading with Defendant banks,	
Islands") (Live)	including Credit Suisse.	0.2

⁶ Credit Suisse objects to this Request for the reasons set forth in the Credit Suisse Defendants' Motion *in Limine* No. 2 to Exclude the Testimony of Persons Invoking their Fifth Amendment Protection Against Self-Incrimination (ECF 1714)

Witness Name	Summary	Anticipated Length of Examination (in hours)
Joseph Landes (Live)	Joseph Landes traded FX at Bank of America during the Class Period. Mr. Landes participated in multiple chat rooms with FX traders from competitor banks. Plaintiffs will ask Mr. Landes about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks. Plaintiffs expect Mr. Landes to invoke his Fifth Amendment privilege against self-incrimination in response to Plaintiffs' questions.	0.5
Christopher Hatton (Live)	Christopher Hatton traded FX at HSBC and Credit Suisse during the Class Period. Mr. Hatton participated in multiple chat rooms with FX traders from competitor banks. He will testify about (1) his knowledge of the FX market; and (2) his chat room communications with FX traders from competitor banks.	1
Christopher Cummins (Live)	Christopher Cummins traded FX at Citibank during the Class Period. Mr. Cummins participated in multiple chat rooms with FX traders from competitor banks and pleaded guilty to price fixing. He will testify about (1) his knowledge of the FX market; (2) his chat room communications with FX traders from competitor banks; and (3) his guilty plea and his knowledge of other FX traders' conduct in the FX market during the Class Period.	1
Natalie Williams (Deposition	Natalie Williams traded FX at Credit Suisse during the Class Period. Ms. Williams participated in multiple chat rooms with FX traders from competitor banks. She will testify about (1) her knowledge of the FX market; and (2) her chat room communications with FX	0.2
Designation)	traders from competitor banks. OTAL MAY CALL TIME	0.3 3

For Credit Suisse: 7

The following charts contain Credit Suisse's current good faith lists of witnesses Credit Suisse will call and may call at trial. The charts also include (1) brief descriptions of each witness's expected testimony, and (2) an estimate of the amount of time Credit Suisse will need to question that witness in its affirmative case (*i.e.*, an estimate of time for direct examination of live witnesses or affirmative designations for deposition witnesses, not cross-examination or cross-designations).

Credit Suisse has not included certain witnesses that Plaintiffs have indicated they intend to call in their case-in-chief. Credit Suisse reserves the right to add such witnesses to its lists if Plaintiffs do not call them.

Credit Suisse Will Call List		
Witness Name / Manner of Appearance	Description of Testimony	Time Estimate (Direct + Redirect)
Witness re: FRE 1006 Summary	Testimony regarding FRE 1006 summary of evidence.	1 hour
Altadonna, John (Live)	Testimony regarding his role as a trader in FX marketplace at market-making bank.	1 hour
Condie, Niall (Live)	Testimony regarding his FX supervisory/management role at Credit Suisse during relevant period.	2 hours

⁷ Credit Suisse's exhibit list, deposition designations, and witness list were developed prior to receiving the Trial Management Order and are based on the parties' meet and confer discussions over the past few months as to the exhibits, witnesses, and deposition designations Plaintiffs indicated they would seek to present at trial. Credit Suisse is working to revise its expected trial presentation consistent with the Trial Management Order, and Plaintiffs' recent revisions to their intended presentation following that Order, and Credit Suisse will provide revised lists, including revised time estimates, as soon as practical.

Credit Suisse Will Call List		
Expert testimony regarding flaws in Plaintiffs' expert analyses, and empirical analysis of trading in the FX marketplace.	2 hours	
Expert testimony regarding the non- susceptibility of the FX marketplace to collusion, information sharing in the FX marketplace, spread matrix submissions by Defendants, flaws in Dr. Singer's analyses, and economic rationales behind decisions to settle litigation.	4 hours	
Expert testimony regarding FX trading, the structure of the FX marketplace and relevant features, flaws in Plaintiffs' expert analyses, and information sharing in the FX marketplace.	4 hours	
Testimony regarding authentication of materials produced by Blackrock.	.5 hours	
Testimony regarding his role as a trader in FX marketplace at market-making bank.	2 hours	
Testimony regarding his FX supervisory/ management role at Credit Suisse during relevant period.	2 hours	
Testimony regarding roles of trader in FX marketplace at market-making bank.	0:38:01	
Testimony regarding roles of trader in FX marketplace at market-making bank.	0:08:09	
Testimony regarding roles of trader in FX marketplace at market-making bank.	0:49:01	
Testimony regarding roles of trader in FX marketplace at market-making bank.	0:21:21	
Testimony regarding roles of trader in FX marketplace at market-making bank.	1:17:20	
	Expert testimony regarding flaws in Plaintiffs' expert analyses, and empirical analysis of trading in the FX marketplace. Expert testimony regarding the nonsusceptibility of the FX marketplace to collusion, information sharing in the FX marketplace, spread matrix submissions by Defendants, flaws in Dr. Singer's analyses, and economic rationales behind decisions to settle litigation. Expert testimony regarding FX trading, the structure of the FX marketplace and relevant features, flaws in Plaintiffs' expert analyses, and information sharing in the FX marketplace. Testimony regarding authentication of materials produced by Blackrock. Testimony regarding his role as a trader in FX marketplace at market-making bank. Testimony regarding roles of trader in FX marketplace at market-making bank. Testimony regarding roles of trader in FX marketplace at market-making bank. Testimony regarding roles of trader in FX marketplace at market-making bank. Testimony regarding roles of trader in FX marketplace at market-making bank. Testimony regarding roles of trader in FX marketplace at market-making bank. Testimony regarding roles of trader in FX marketplace at market-making bank.	

Credit Suisse Will Call List		
Gibbons, Richard	Testimony regarding roles of trader in FX marketplace at market-making bank.	0:41:53
(Designation)		
Greig, Angus	Testimony regarding roles of trader in FX	0:36:39
(Designation)	marketplace at market-making bank.	
Katz, Andre	Testimony regarding roles of trader in FX	0:27:10
(Designation)	marketplace at market-making bank.	
King, Graeme	Testimony regarding roles of trader in FX	0:53:03
(Designation)	marketplace at market-making bank.	
Lawes, Jamie	Testimony regarding roles of trader in FX	01:13:17
(Designation)	marketplace at market-making bank.	
Leighton, Mike	Testimony regarding roles of trader in FX	0:55:33
(Designation)	marketplace at market-making bank.	
Williams,	Testimony regarding roles of trader in FX	0:36:17
Natalie	marketplace at market-making bank.	
(Designation)		
Witt, James	Testimony regarding roles of trader in FX	1:56:49
(Designation)	marketplace at market-making bank.	
	TOTAL WILL CALL TIME:	29.1 hours

Credit Suisse May Call List		
Witness Name / Manner of Appearance	Description of Testimony	Time Estimate (Direct + Redirect)
	Credit Suisse reserves the right to call any witness listed on Plaintiffs' Will or May call Witness Lists.	
Brunner, Simon (Live)	Testimony regarding his role as an FX salesperson at market-making bank.	1 hour
Callaghan, John (Live)	Testimony regarding his role as a trader in FX marketplace at market-making bank.	1 hour

Chadit Suissa May Call List		
Credit Suisse May Call List		
Dima, Brett (Live)	Testimony regarding his role as an FX salesperson at market-making bank.	1 hour
Hatton, Christopher (Live)	Testimony regarding his role as a trader in FX marketplace at market-making bank.	1 hour
Howarth, Braden (Live)	Testimony regarding his role as an FX salesperson at market-making bank.	1 hour
Jones, Robert (Live)	Testimony regarding trading as buy-side FX marketplace participant and role as class representative.	1 hour
Krupkin, Michael (Live)	Testimony regarding his role as a trader in FX marketplace at market-making bank.	1 hour
McCrary, Justin (Live)	Expert testimony regarding errors in Dr. Singer's regression analysis.	1 hour
Munley, John (Live)	Testimony regarding his role as a trader in FX marketplace at market-making bank.	1 hour
Napoli, Anthony (Live)	Testimony regarding his role as an FX salesperson at market-making bank.	1 hour
Reardon, Regina (Live)	Testimony regarding trading as buy-side FX marketplace participant and role as class representative.	1 hour
Sirowich, Paula (Live)	Testimony regarding her role as an FX salesperson at market-making bank.	1 hour
Custodian(s) of Records/Corporate Representative(s) of Bank of America		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Bank of Tokyo- Mitsubishi		.5 hours
(Live)		
Custodian(s) of Records/Corporate		.5 hours

Credit Suisse May Call List		
Representative(s) of Barclays		
(Live)		
Custodian(s) of Records/Corporate Representative(s) of BNP Paribas		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Citi		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Credit Suisse		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Deutsche Bank		.5 hours
(Live)		
Custodian of Records/Corporate Representative of Goldman Sachs (Live)		.5 hours
Custodian(s) of Records/Corporate Representative(s) of HSBC		.5 hours
(Live)		
Custodian of Records/Corporate Representative of J.P. Morgan		.5 hours

Credit Suisse May Call List		
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Morgan Stanley		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Royal Bank of Canada		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Scotland/ Natwest		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Societe Generale		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of Standard Chartered		.5 hours
(Live)		
Custodian(s) of Records/Corporate Representative(s) of UBS		.5 hours
(Live)		
	TOTAL MAY CALL TIME:	19.5 hours

H. DEPOSITION DESIGNATIONS

The parties have jointly requested permission to provide the following deposition materials to the Court via FTP link:

- Exhibit A: A PDF file containing the designations for each witness affirmatively designated by Plaintiffs along with the related counter-designations and objections from Credit Suisse. This PDF is organized by witness in alphabetical order with a slip sheet between the designations for each witness. Plaintiffs' designations and objections are identified in yellow; Credit Suisse's designations and objections are identified in blue.
- Exhibit B: A PDF file containing the designations for each witness affirmatively designated by Credit Suisse along with the related counter-designations and objections from Plaintiffs. This PDF is organized by witness in alphabetical order with a slip sheet between the designations for each witness. Plaintiffs' designations and objections are identified in yellow; Credit Suisse's designations and objections are identified in blue.
- **Deposition Excerpts Folder**: A folder with separate PDF files for each witness transcript designated by one or both parties. Within the folder, and consistent with Individual Rule IV.b.2(g), the Court will find a PDF file containing a highlighted and excerpted transcript for each witness with relevant parts marked to show the dispute. Plaintiffs' designations and objections are identified in **yellow**; Credit Suisse's designations and objections are identified in **blue**.

The parties reserve the right to modify, withdraw, amend, or add to their deposition designations prior to and during trial.

In light of the Court's Trial Management Order, the parties are working to narrow the designations and the objections that the Court will need to resolve before or at trial.

I. PROPOSED EXHIBITS AND DEMONSTRATIVE AIDS; OBJECTIONS TO PROPOSED EXHIBITS

Plaintiffs' Exhibit List, including Credit Suisse's objections thereto, is attached as Tab 1 hereto. Credit Suisse's Exhibit List, including Plaintiffs' objections thereto, is attached as Tab 2 hereto. As set forth in ECF No. 1837, the parties anticipate using FRE 1006 summaries and demonstratives in support of their respective cases in chief and propose to submit a joint trial procedures stipulation to the Court two weeks before the final pre-trial conference.

Subject to the documents being admitted into evidence, the parties reserve the right to use affirmatively the documents identified on either party's exhibit list.

J. WRITTEN DISCOVERY RESPONSES AND OBJECTIONS

For Plaintiffs:

Plaintiffs do not intend to offer any written discovery responses into evidence.

For Credit Suisse:

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory		
1) Do You contend that	Plaintiffs allege that Credit Suisse and its co-	Partial designation (FRE
Defendants entered into	conspirators engaged in a conspiracy to fix	106); Irrelevant (FRE 401
an unlawful agreement	prices customers paid to trade FX or otherwise	& 402); Unfair prejudicial,
with each other to fix bid-	increase customers' trading costs by artificially	confusing the issues, (FRE
ask spreads? If Your	widening spreads they charged through the	403).
response is anything other	exchange and exploitation of price-driving	
than an unqualified "no:"	competitive sensitive information ("CSI") in	
(a) identify every entity	chatrooms, as well as other means of	
and person whom you	communication. Defendants engaged in a	
believe participated in the	single overarching combination, agreement,	
alleged unlawful	and/or understanding to fix FX prices by	
agreement and the specific	artificially widening spreads on FX spot,	
date (day, month, year)	forward, and swap transactions in at least 52	

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory	•	
when that entity or person became a participant in the alleged unlawful agreement, (b) describe in detail every act that each such entity and person took to manifest its decision to join the alleged unlawful agreement, (c) state every alleged object or result of the alleged unlawful agreement, and (d) state with particularity the precise terms of the alleged unlawful agreement, including any changes therein during the	currency pairs, from at least December 1, 2007 until December 31, 2013. The conspiracy was effectuated by a widespread scheme amongst FX trader employees of Defendants ("FX traders") to exchange and exploit CSI for their own benefit and to the detriment of class members in electronic chatrooms and by other means ("collusive conduct"). Defendants' conspiracy was effectuated through their FX traders, whose myriad chats over the course of several years evidence a conscious commitment to a common course of price fixing.	
Class Period. 2) State whether You contend that the alleged unlawful agreement included a specific agreement regarding the percentage, pips, or other quantitative measure by which to fix spreads, and identify the facts and evidence that form the basis for Your contention, including identifying the percentage, pips or other quantitative measures that Defendants agreed upon for each currency pair, FX instrument type, and size transaction that you contend was part of the unlawful agreement.	Plaintiffs allege that Credit Suisse and its coconspirators engaged in a conspiracy to fix prices customers paid to trade FX or otherwise increase customers' trading costs by artificially widening spreads they charged through the exchange and exploitation of price-driving competitive sensitive information ("CSI") in chatrooms, as well as other means of communication. Defendants engaged in a single overarching combination, agreement, and/or understanding to fix FX prices by artificially widening spreads on FX spot, forward, and swap transactions in at least 52 currency pairs, from at least December 1, 2007 until December 31, 2013. The conspiracy was effectuated by a widespread scheme amongst FX trader employees of Defendants ("FX traders") to exchange and exploit CSI for their own benefit and to the detriment of class members in electronic chatrooms and by other means ("collusive conduct"). Defendants' conspiracy was effectuated through their FX traders, whose myriad chats over the course of several years evidence a conscious commitment to a common course of price fixing.	Partial designation (FRE 106); Irrelevant (FRE 401 & 402); Unfair prejudicial, confusing the issues, (FRE 403).

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory		
	Although they sometimes did, Defendants did	
	not need to agree on a specific amount for each	
	transaction, currency pair, FX instrument type,	
	or size of transaction in order to fix prices by	
	artificially widening spreads. Instead,	
	Defendants' conspiracy, and acts in furtherance	
	thereof, had a market-wide effect of widening	
	and/or stabilizing FX spreads on virtually all	
	transactions within the market. In some	
	instances, Defendants explicitly agreed upon	
	the "right spread" to quote their customers. But	
	Defendants' price fixing was effectuated and	
	reinforced by more than individualized	
	discussions and agreements about specific	
	spreads to quote. Rather, as discussed in the	
	Response to Defendants' Interrogatory No. 4	
	and in the expert reports of Eric Robin and	
	Robin Poynder, spreads are relatively stable	
	over time. Merits Report of Eric Robin (January	
	23, 2020) ("Robin Merits Report") at ¶¶ 24, 47;	
	Reply Report of Robin Poynder (August 13,	
	2020) ("Poynder Reply Report") at ¶ 26.	
	Therefore traders agreed upon an acceptable	
	range of spreads through their collusive	
	conduct, and once acceptable spreads were	
	established, traders did not need to continually	
	communicate to know what spread to quote for	
	each and every client transaction. Rather,	
	traders could simply "check in" with each other	
	intermittently to ensure they were quoting	
	similar spreads. Moreover, as discussed in the	
	Response to Defendants' Interrogatory No. 4	
	and in the expert reports of Eric Robin and	
	Robin Poynder, the spreads quoted by traders in	
	one currency pair correlated with other	
	currencies pairs such that, e.g., fixing the spread	
	in EUR/USD also had the effect of stabilizing	
	or widening spreads in EUR/GBP and	
	GBP/USD. Merits Report of Robin Poynder	
	(January 23, 2020) ("Poynder Merits Report")	
	at ¶ 74; Robin Merits Report ¶ at 74. Also,	
	fixing the spreads in 50 million EUR/USD	
	would result in stabilizing or widening spreads	

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Defendants' Interrogatory	in 10 million, 100 million, and 200 million EUR/USD. Because of these horizontal correlations among currency pairs and vertical correlations by trade size, Defendants' traders did not need to fix the spread of every trade to stabilize or widen spreads across the market. Further, Defendants, including Credit Suisse, regularly shared and agreed on spreads for their internal spread matrices or grids—a pricing matrix typically prepared upon a customer's request or provided to the customer on a scheduled basis that lists what spread, in normal market conditions, a dealer bank would anticipate quoting in a specified quantity of a specified currency pair. Spread matrices generally covered a number of currency pairs at	Plaintiffs' Objections
	different amounts. Spread matrices often lasted several months before being updated. Spread matrices were built by dealer banks in such a way that although indicative, customer spreads remain valid—or executable—the vast majority of the time. Defendants used the matrices as a price floor for customers. By agreeing on prices to include in spread matrices, Defendants did not need to communicate about what spread to quote on each transaction, but were instead able to refer to their agreed-upon matrices to reference the price-fixed spread to quote.	
4) Identify all means or mechanisms by which Defendants coordinated and maintained the alleged unlawful agreement across all relevant dimensions during the Class Period, including but not limited to the FX instruments, currency pairs, trade sizes,	Traders generally operated under a discreet "gentleman's agreement," under which traders understood that if they provided one another with information in chatrooms, in response, they would receive information from other traders. Traders also explicitly agreed to collude on spreads. The mutual exchange of information allowed them to coordinate behavior and fix prices.	Partial designation (FRE 106); Irrelevant (FRE 401 & 402); Unfair prejudicial, confusing the issues, (FRE 403).
customer types, and trade venues included in the alleged unlawful agreement.	Among the means and mechanisms Defendants used to fix prices by artificially widening spreads, traders: (a) coordinated trading; (b) shared customer order flow information, including customer identities; (c) explicitly	

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory	agreed on spreads to quote to customers; (d)	
	threated to and removed traders from chatrooms	
	who did not participate in the conspiracy; (e)	
	maintained close personal relationships with	
	traders from other Defendant banks; and (f)	
	actively concealed their activities. The	
	examples cited above are not exhaustive but	
	merely illustrative, and Plaintiffs will introduce	
	into evidence additional examples at trial.	
	Traders engaged in chatroom conversations on	
	a near daily basis, which allowed them to not	
	only coordinate on individual transactions, but	
	create an environment in which all FX	
	transactions were affected by the conspiracy.	
	This conduct, as a whole, had the effect of	
	fixing prices by artificially widening spreads on	
	FX instruments.	
	The conspiracy was self-reinforcing. As stated	
	in the Merits Reports of Eric Robin, Robin	
	Poynder, and Hal J. Singer, Ph.D. (January 23,	
	2020) ("Singer Merits Report"), spreads tend to	
	be durable over time so long as underlying	
	market conditions remain stable. Therefore,	
	traders agreed upon an acceptable range of	
	spreads through their collusive conduct, and	
	once acceptable spreads were established,	
	traders did not need to continually communicate	
	to know what spread to quote for each and	
	every client transaction. Rather, traders could	
	simply "check in" with each other intermittently to ensure they were quoting similar spreads.	
	Moreover, the spreads quoted by traders in one	
	currency pair correlated with other currencies	
	pairs such that, e. g., fixing the spread in	
	EUR/USD also had the effect of stabilizing or	
	widening spreads in EUR/GBP and GBP/USD.	
	Also, fixing the spreads in 50 million	
	EUR/USD would result in stabilizing or	
	widening spreads in 10 million, 100 million and	
	200 million EUR/USD. Because of these	
	horizontal correlations among currency pairs	
	and vertical correlations by trade size, FX	
	traders' widening the spread for one currency	

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory	pair and notional amount caused a market-wide	
	impact.	
	1	
	Beyond self-reinforcement of individual	
	spreads in individual chatrooms, traders were	
	aware that the collusive conduct was pervasive	
	throughout the FX market. Traders did not need	
	to participate in, or even know about every	
	chatroom or every conversation that was part of the conspiracy; instead, traders had general	
	knowledge of the "gentleman's agreement" that	
	pervaded throughout the market. Although	
	traders could have determined the appropriate	
	spreads to quote to customers through iterative	
	quotes with customers themselves, traders	
	instead determined the spreads to quote	
	customers by asking competitors in chatrooms.	
	Traders were not siloed in separate chatrooms,	
	hermetically sealed from other traders in other	
	chats. Rather, the hundreds of traders	
	participated in, collectively, thousands of	
	chatrooms, with many traders participating in up to dozens of chatrooms at one time. They	
	could and did blast information from one chat	
	room into numerous other chatrooms. Traders	
	were also connected socially, they formed	
	personal relationships with traders at other	
	banks through social engagements. They	
	commuted, celebrated, vacationed, played, ate	
	and drank with one another. Traders frequently	
	moved between competitor banks, while	
	generally maintaining their personal and professional relationships. In short, traders	
	trusted one another, such that they did not need	
	to constantly communicate in order to maintain	
	and enforce the conspiracy. They were "mates"	
	who did not see one another as competitors.	
	There is a "strong market convention" among	
	FX traders that they do not disadvantage the	
	person who is sharing information. Together, all	
	of these mechanisms created an efficient	
	network through which the Defendants	
	maintained the conspiracy.	

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory	Defendants' traders also worked to the conceal the conspiracy, thereby allowing it to continue undetected. They used code words and other methods to conceal their conspiracy and evade surveillance. Traders also used phone calls, text messages, and in-person meetings to avoid surveillance. Finally, traders punished participants who did not share enough information. Defendants' efforts to coordinate trading, share market-critical information, explicitly agree upon spreads, threaten to and remove traders from chatrooms who did not sufficiently participate in the conspiracy, maintain contact with traders from other banks and actively conceal their activities, had the artificially widening spreads on FX instruments. The effects of Defendants' collusive conduct was to raise and stabilize prices at least on FX spot, forward, and swap transactions, in at least 52 currency pairs, on trades of all sizes, for all customers who received liquidity, traded through single bank platforms or as voice trades.	
6) Do You contend that the alleged unlawful agreement led to increased adverse selection risk that lead to wider spreads for Class members, as set forth in Dr. Hal Singer's Merits Report at ¶ 50? If Your response is anything other than an unqualified "no:" explain in detail what acts generated such increased adverse selection risk, how such increased adverse selection prices in the FX markets, and the effect of such increased adverse selection	As stated in the Singer Merits Report and the Reply Report of Hal J. Singer, Ph.D. (August 13, 2020) ("Singer Reply") Defendants' conspiracy, collusive conduct, and acts in furtherance of the conspiracy, directly widened Defendants' bid-ask spreads and had the effect of increasing adverse selection risk, causing wider spreads on FX transactions. As Dr. Singer explains, "adverse-selection risk is a standard economic principle, according to which spreads will be widened when market participants are obliged to transact with better-informed counterparties such as the Defendant dealers here." Singer Merits Report at ¶ 50. Additionally, as explained by Professors Bjonnes and Ljungqvist, "market makers understand this risk and set their bid-ask quotes to ensure that they will make enough profit when dealing with uninformed traders to	Partial designation (FRE 106); Irrelevant (FRE 401 & 402); Unfair prejudicial, confusing the issues, (FRE 403).

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory		
risk on spreads quoted by	compensate for the losses they make when	
Defendants to Class	unknowingly dealing with informed traders. As	
members on all FX-	adverse selection risk increases, spreads widen	
Related transactions.	in the market." Expert Report of Bjonnes and	
	Ljungqvist (May 31, 2018)at ¶ 82. Defendants'	
	coordinated exploitation of shared CSI	
	increased adverse selection risk, therefore	
	widened spreads across the FX market.	
	FX prices are strongly affected by information	
	asymmetries—that is, the risk of trading with a	
	better informed counterparty. Singer Reply at ¶	
	92; Callaghan Dep. at 122:24-123:5, 128:21-	
	129:11; E. Robin Dep. at 59:11-23. Defendants'	
	conspiracy, and acts in furtherance of that	
	conspiracy, "exacerbated informal asymmetries	
	in the interbank segment of the market." Singer	
	Reply at ¶ 92. As better-informed Defendants	
	exchanged and exploited valuable CSI, non-	
	Defendants were at a greater informational	
	disadvantage. Id.	
	Trading in the interbank segment is anonymous.	
	Participants in the interbank segment, whether	
	or not they were a member of the conspiracy,	
	did not know whether a potential counterparty	
	to a transaction was better-informed. <i>Id.</i> ¶ 93.	
	This would result in wider bid-ask spreads, as	
	participants in the interbank segment widened	
	spreads to protect themselves from greater	
	adverse selection risk. Because of the tight	
	linkages between the interbank and dealer-to-	
	customer segments, wider spreads in the	
	interbank segment would necessarily have	
	caused wider spreads in the dealer-to-customer segment, and vice-versa. <i>Id</i> .	
14) Do You contend that	Trading for FX forwards and FX swaps are	Partial designation (FRE
Defendants that the alleged	based on the spot rate. The rate for a forward	106); Irrelevant (FRE 401
unlawful agreement led to	transaction is the spot rate for that currency pair	& 402); Unfair prejudicial,
wider bid-ask spreads for	plus "forward points" representing the interest	confusing the issues, (FRE
Class members' FX	rate differential between the two currencies over	403).
forwards, FX swaps, and	the period from the spot value date to the	, in the second
FX options transactions? If	forward value date. As such, if the spot rate has	
Your response is anything	widened, so too will the forward rate have	

Defendants'	Plaintiffs' Response	Plaintiffs' Objections
Interrogatory		
other than an unqualified	widened. See, e.g., Robin Merits Report at ¶ 32;	
"no:" identify the	Yanez Dep. at 63:7-16 (testifying that spot	
mechanisms or processes	transaction is a foundation for other instruments	
leading to such changes in	and the prices of other FX instruments are	
the markets for FX	derived from underlying FX spot transactions).	
forwards, FX swaps, and	Therefore, Plaintiffs contend that just as the	
FX options.	Defendants' conspiracy fixed FX prices by	
	artificially widening spreads on FX spot	
	transactions so too did Defendants' conspiracy	
	fix prices by artificially widening spreads on	
	forwards transactions. Likewise, swaps are	
	combinations of two outright forwards in	
	opposite directions. Swaps are priced from spot	
	rates with the addition of "swap points." Any	
	change in the spot rate will result in a change to	
	the swap rate. Swaps are damaged only to the	
	extent that they are unbalanced, because if one	
	leg is damaged the other leg profits See Report	
	of Geir Bjønnes and Alexander Ljungqvist in	
	Support of Class Certification at ¶ 46.	

K. LIST OF IN LIMINE MOTIONS

Motion in Limine	ECF No.	Status	ECF No. of Order
Plaintiffs' Motion <i>in Limine</i> No. 1 to Exclude Percipient Witnesses from the Courtroom Unless They Are Testifying	1712	Resolved via Court- Ordered stipulation	1790
Plaintiffs' Motion <i>in Limine</i> No. 2 to Exclude Evidence and Argument Regarding Purported Pro-Competitive Justifications and Absence of Anticompetitive Effects	1719	Fully briefed	
Plaintiffs' Motion in Limine No. 3 to Exclude Evidence and Testimony About Existence of the Conspiracy and Anticompetitive Conduct Through Defense Expert Witnesses	1722	Fully briefed	

Motion in Limine	ECF No.	Status	ECF No. of Order				
Plaintiffs' Motion in Limine No. 4 to Exclude Mention of Treble Damages or Attorneys' Fees	1728	Resolved via Court- Ordered Stipulation	1789				
Plaintiffs' Motion <i>in Limine</i> No. 5 for Order that Co-Conspirator Statements Are Within the Fed. R. Evid. 801(d)(2)(E)	1733	Fully briefed					
Plaintiffs' Motion <i>in Limine</i> No. 6 to Exclude Testimony and Argument that This Case Involves Multiple Markets	1740	Fully briefed					
Plaintiffs' Motion in Limine No. 7 to Exclude Argument and Evidence Conflating Spread Pricing Information with "Market Color"	1747	Fully briefed					
Plaintiffs' Motion <i>in Limine</i> No. 8 to Exclude Expert Testimony Regarding Intent, State of Mind or Motive	1754	Fully briefed					
Credit Suisse Defendants' Motion in Limine No. 1 to Exclude Evidence of Consent Order with the New York State Department of Financial Services	1710	Fully briefed					
Credit Suisse Defendants' Motion in Limine No. 2 to Exclude the Testimony of Persons Invoking their Fifth Amendment Protection Against Self-Incrimination	1714	Fully briefed					
Credit Suisse Defendants' Motion in Limine No. 3 to Exclude Evidence of Criminal Prosecutions of Non-Credit Suisse Persons and Entities	1726	Fully briefed					
Credit Suisse Defendants' Motion in Limine No. 4 to Exclude Factual Admissions Contained in Guilty Pleas and Plea Allocutions of Non-Credit Suisse Persons and Entities	1736	Fully briefed					
Credit Suisse Defendants' Motion in Limine No. 5 to Exclude Evidence of Non-Credit Suisse Consent Orders and Regulatory Settlements	1744	Fully briefed					

Motion in Limine	ECF No.	Status	ECF No. of Order
Credit Suisse Defendants' Motion in Limine No. 6 to Exclude Evidence Concerning the Board of Governors of the Federal Reserve Systems Investigations of and Findings Concerning Peter Little and Michael Weston	1750	Fully briefed	
Credit Suisse Defendants' Motion <i>in Limine</i> No. 7 to Exclude Internal Bank Policies Evidence	1758	Fully briefed	
Credit Suisse Defendants' Motion in Limine No. 8 to Exclude Evidence Concerning Subsequent Remedial Measures	1764	Fully briefed	
Credit Suisse Defendants' Motion in Limine No. 9 to Exclude Communications Without a Direct Connection to United States Commerce	1770	Fully briefed	
Credit Suisse Defendants' Motion <i>in Limine</i> No. 10 to Exclude Other Bad Acts Evidence	1775	Fully briefed	
Credit Suisse Defendants' Motion in Limine No. 11 to Preclude Keith Underwood From Testimony and to Exclude Reports and Statements Authored by Keith Underwood in Separate Proceedings Involving UBS AG	1779	Fully briefed	

L. STIPULATIONS OF UNCONTESTED FACTS

The parties stipulate to the following facts. In light of the Court's Trial Management Order, the parties are working to identify additional uncontested facts and will submit a stipulation by September 9, 2022.

1. During the Class Period, between \$3 trillion and \$5.3 trillion USD per day was traded in the FX market for all FX instruments worldwide, with up to \$1.3 trillion of that total per

day traded in the United States in some years. Daily FX spot transactions volume alone doubled between 2007 and 2013, from approximately \$1 trillion to \$2 trillion. *See* 03/05/21 Pls.' Response to Rule 56.1 at ¶ 42.

2. Trading in the FX market occurs 24 hours per day and over 252 trading days per year. The following chart illustrates the 24-hour nature of the OTC market:

										FX	MA	RKE	ТН	OUR	S								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
			Nev	v Ze	alan	d																	
				S	ydn	ey																	
						To	kyo																
								Н	ong l	Kong	,												

FX MARKET HOURS	
Frankfurt	
London	
	New York

See 03/05/21 Pls.' Response to Rule 56.1 at \P 43.

- 3. During the Class Period, FX trading by volume is primarily done over-the-counter ("OTC") in that counterparties trade with each other without a formalized exchange. See 03/05/21 Pls.' Response to Rule 56.1 at ¶ 44.
- 4. Currencies are bought or sold in pairs. *See* 03/05/21 Pls.' Response to Rule 56.1 at ¶ 45; CS Answer to Third Consolidated Amended Complaint (ECF No. 682) at ¶ 83.
- 5. Trading in the FX marketplace generally occurs in two different "tiers" or segments: the interdealer or interbank segment and the dealer-to-customer segment.
- 6. In the interdealer segment, market makers and other liquidity providers trade currencies with each other to lay off risk from buy-side orders, access liquidity to fill customer

orders for currencies that they do not have in their own inventories, and to manage risk profitability. *See* 03/05/21 Pls.' Response to Rule 56.1 at ¶ 51.

7. The difference between the bid price and the ask price is the bid-ask spread or spread. See 04/09/21 CS Response to Rule 56.1 at ¶ 185.

8. A spread matrix is sometimes referred to as a spread grid. See 04/09/21 CS Response to Rule 56.1 at ¶ 230.

M. DAMAGES STATEMENT

Plaintiffs do not seek damages in this trial.

N. OTHER REQUESTED RELIEF

Plaintiffs request that they be awarded their costs, expenses incurred since January 1, 2018 and attorneys' fees to the extent allowed by law.

Credit Suisse objects that Plaintiffs are not entitled to costs, expenses, or attorneys' fees, for which they have provided no basis and would oppose any request for fees to be awarded at this stage, particularly because Plaintiffs are not trying (and cannot prevail in this trial on) all the elements of their Sherman Act claim. Credit Suisse reserves all rights.

O. UNANIMOUS VERDICT

The parties do not consent to less than a unanimous verdict.

August 26, 2022

Respectfully Submitted,

/s/ Christopher M. Burke

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